

FIG. 1

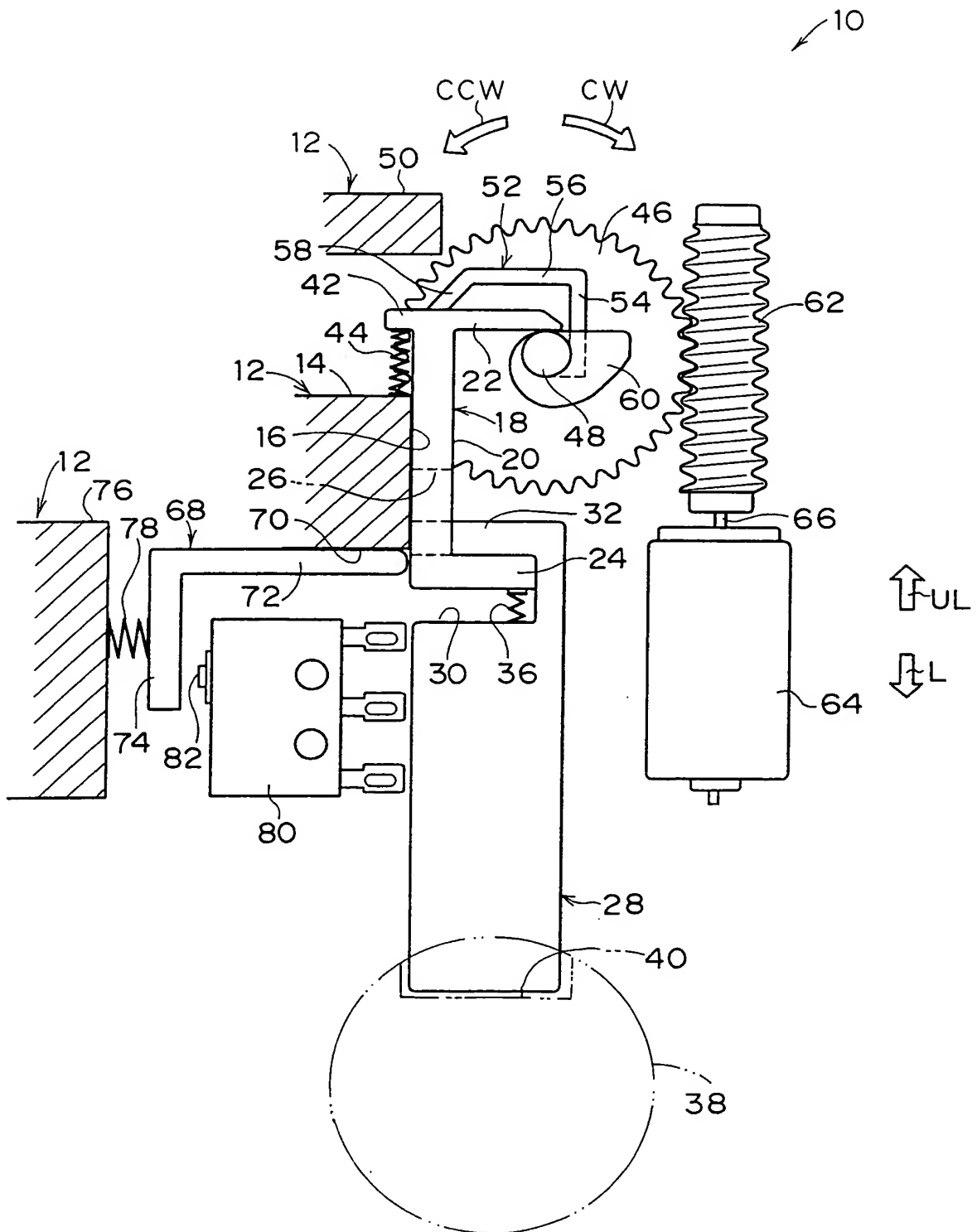


FIG. 2

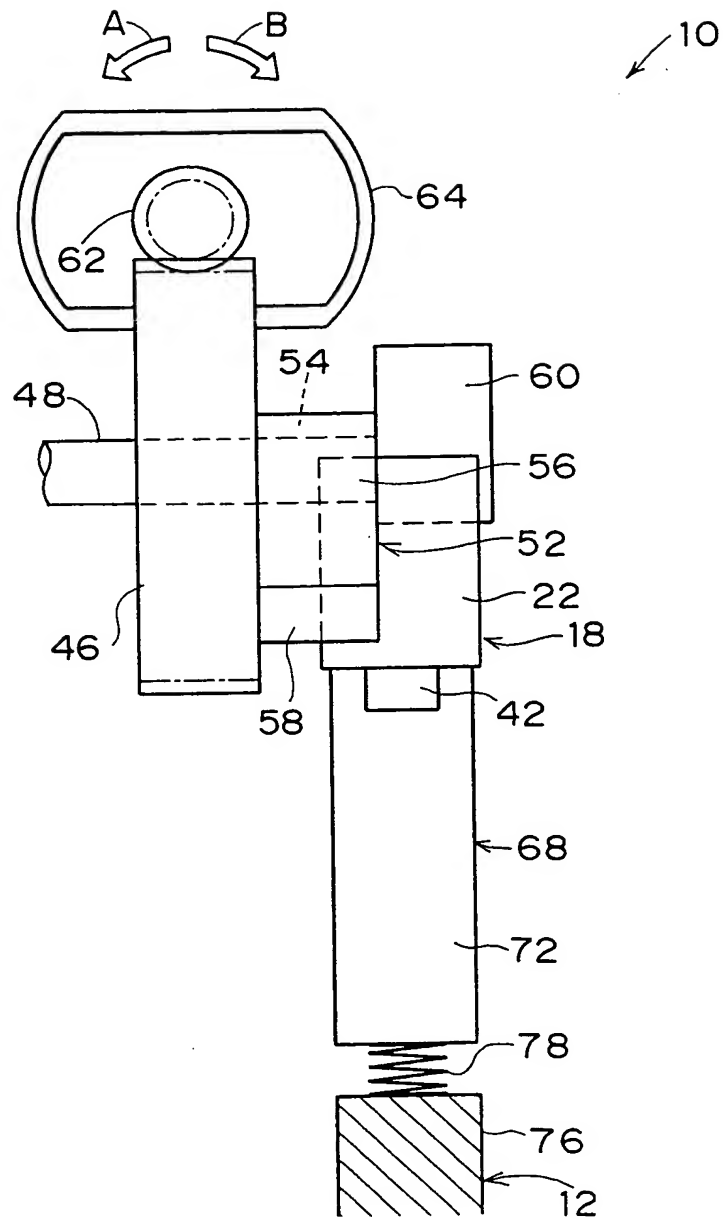


FIG. 3

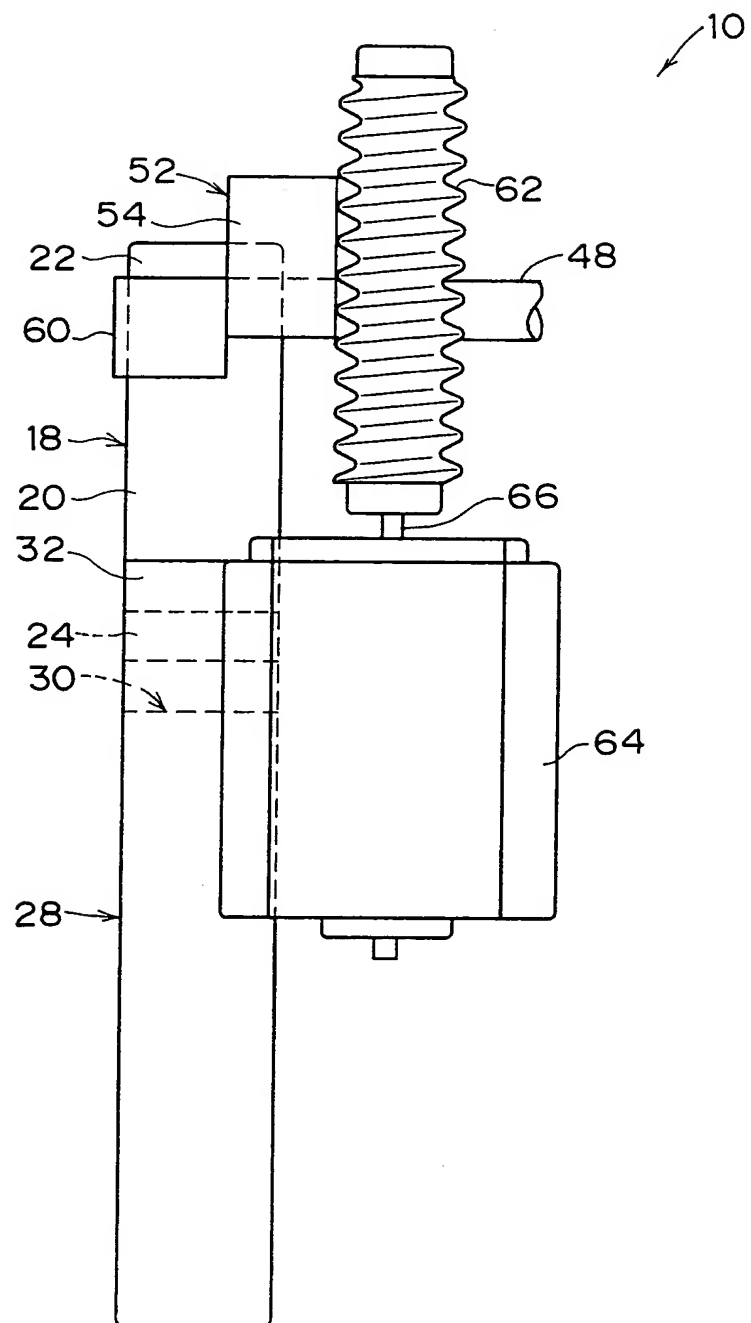


FIG. 4A

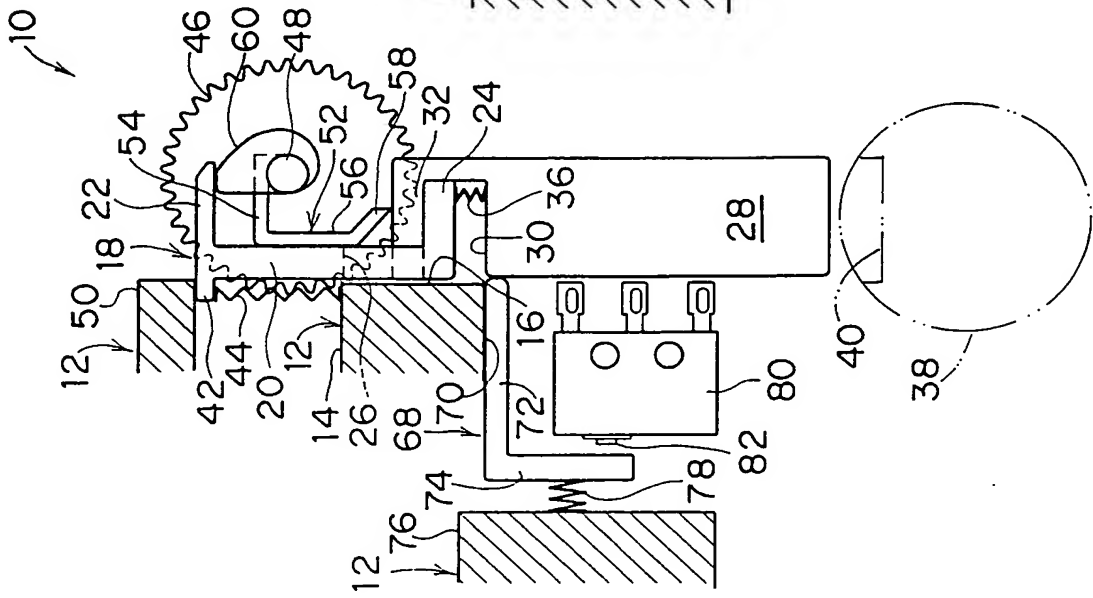


FIG. 4B

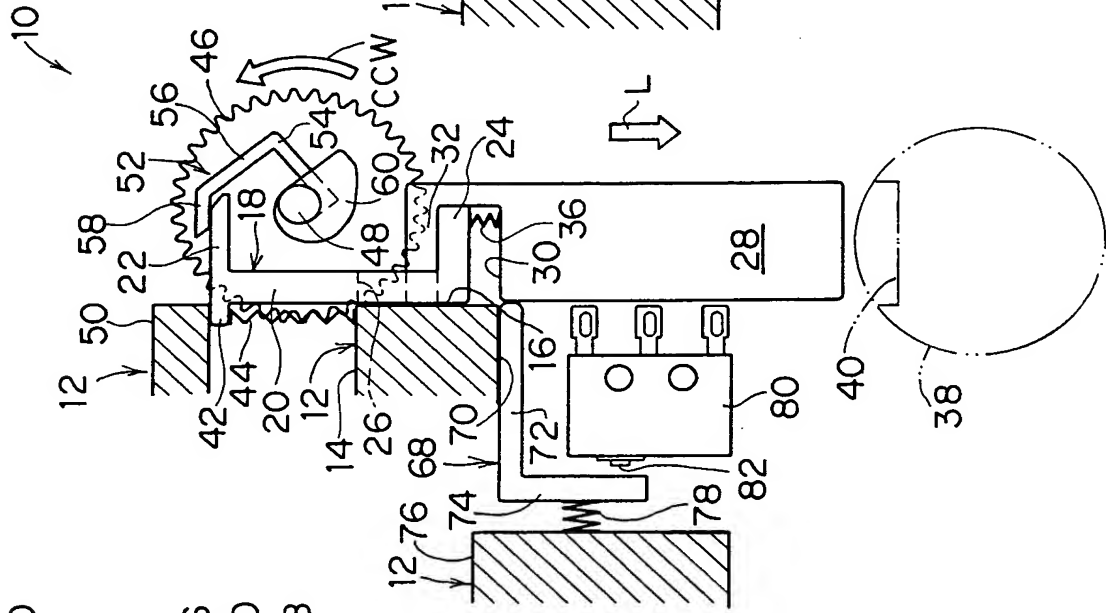


FIG. 4C

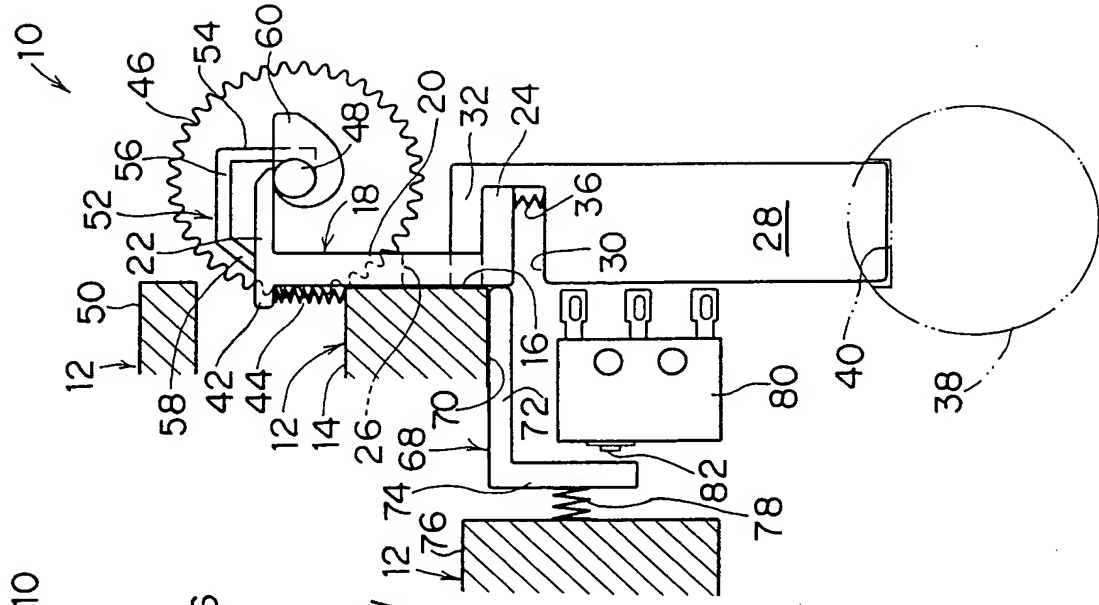


FIG. 5A

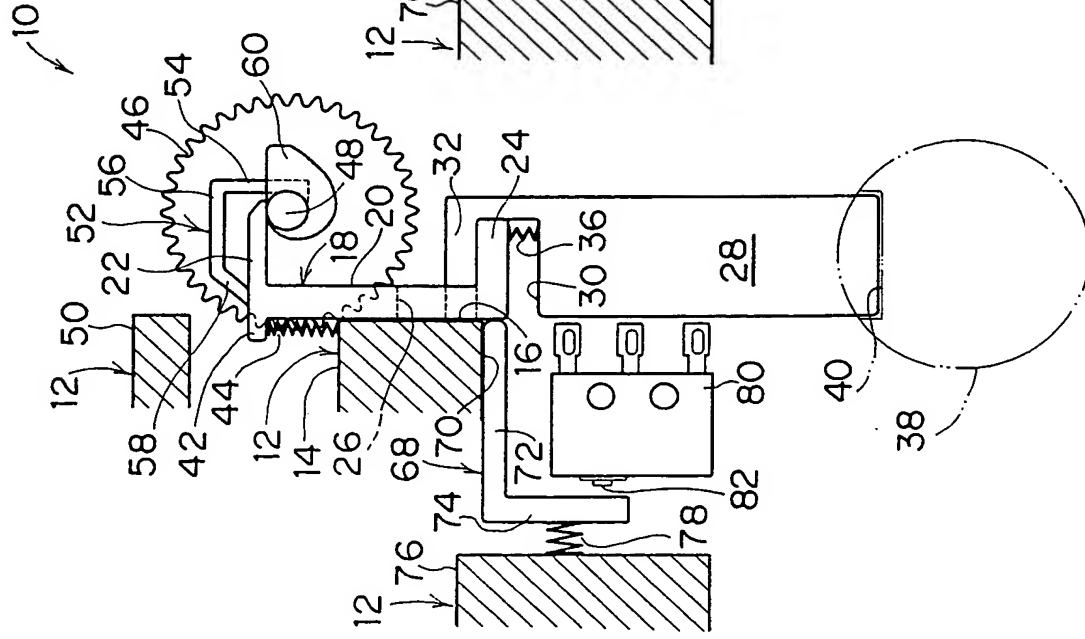


FIG. 5B

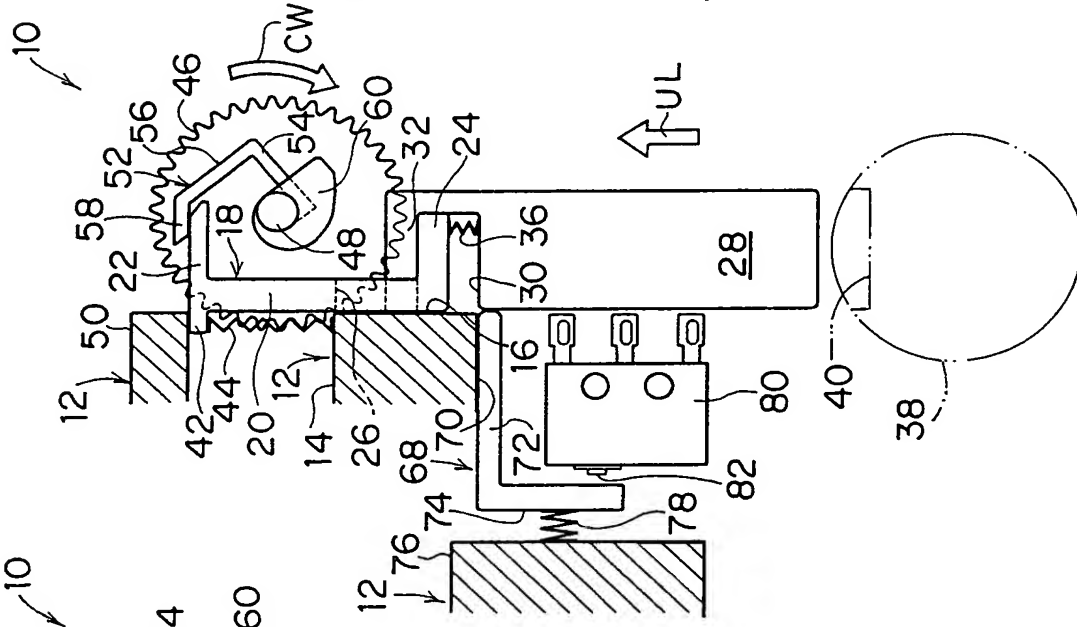


FIG. 5C

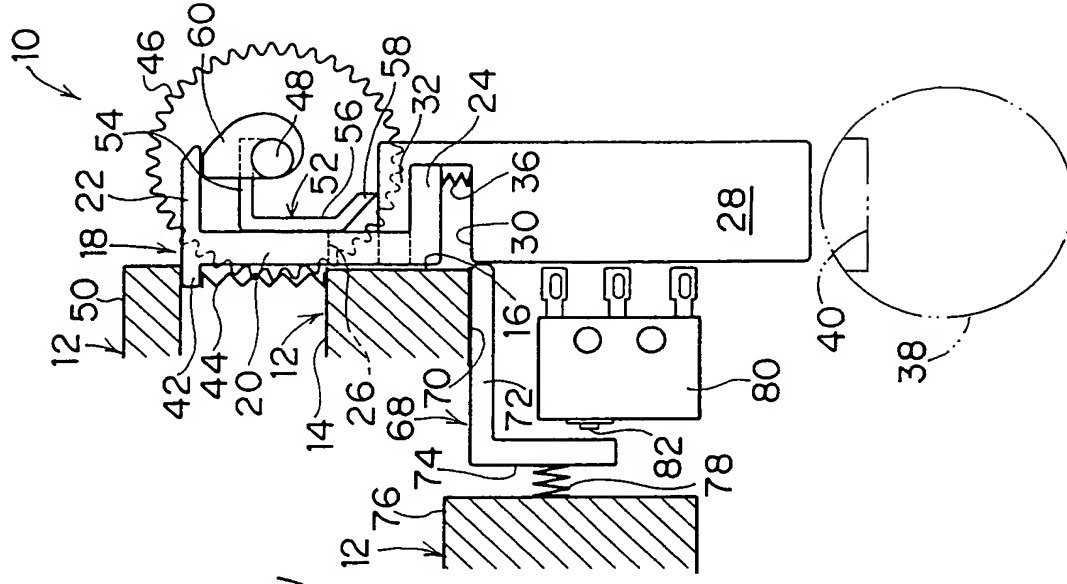


FIG. 10 is a schematic diagram of a mechanical assembly, likely a valve or actuator, showing various components and their interactions. The assembly includes a base (12) with a central shaft (28) passing through it. A piston (26) is mounted on the shaft (28) and is connected to a lever arm (24). The lever arm (24) is pivoted at one end (72) and has a curved surface (30) that interacts with a cam (32). The cam (32) is mounted on a rotating shaft (36) which is driven by a motor (80). The motor (80) is shown with electrical connections (78, 82). A force F is applied to the lever arm (24) at point 40, causing it to rotate around its pivot (72). This rotation moves the piston (26) up and down, as indicated by the double-headed arrow labeled "UL". The piston (26) is connected to a valve stem (42) which passes through a seat (44) in the base (12). The valve stem (42) is also connected to a spring (46) and a cam (48). The cam (48) is part of a larger mechanism (50) that rotates clockwise (CW), as indicated by the curved arrow. Other components include a housing (14), a seal (16), a gasket (18), and various fasteners (20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82).